

2020 Indiana VW Electric Vehicle Charging Network RFP Webinar

Indiana Department of Environmental Management & South Shore Clean Cities



About South Shore Clean Cities

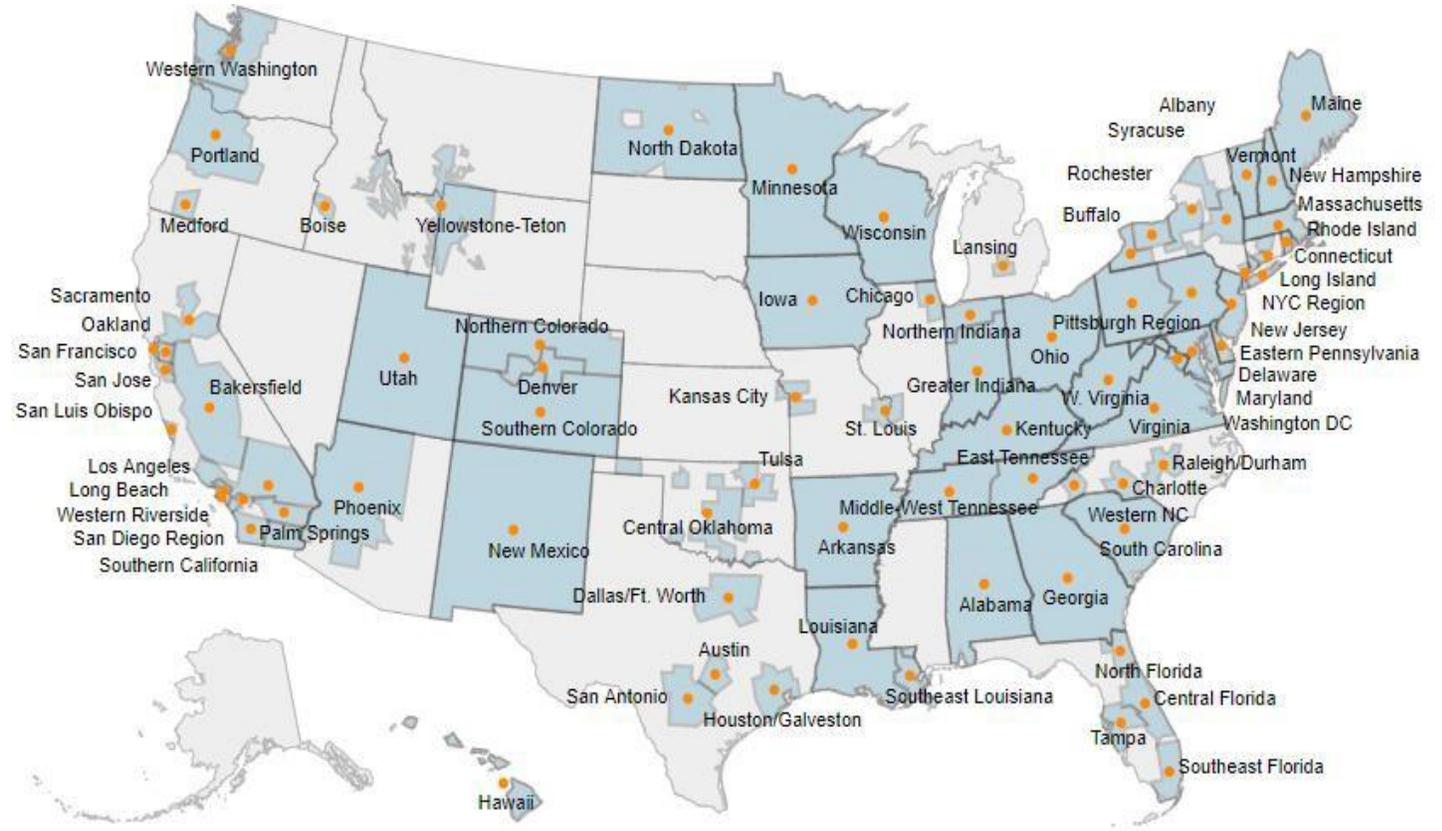
Successes

- In the last decade, South Shore Clean Cities members have reduced greenhouse gas emissions by **607,000 tons** and displaced over **93 million gallons**.
- In 2019 alone, South Shore Clean Cities/Stakeholders were awarded **\$28 Million** in grant dollars.



National Clean Cities Connection

- Designated as the 71st Clean Cities coalition on June 15, 1999
- Part of a national network of ***U.S. Department of Energy Clean Cities Coalitions*** working nationally to spur deployment of alternative fuels & efficiency technologies for fleets & consumers



Partnerships & Grant Acquisitions

Support Services

- Educational fuel & technology workshops, trainings, seminars and webinars
- Grant writing services
- Grant administration & support
- Fleet audits and emission quantifications
- Connections with vendors offering sustainable transportation options



Indiana VW Mitigation Breakdown

Round 1: IDEM 7/19 Onroad/Nonroad

- Total Projects Awarded: 34
- Total Amount Awarded: \$9,830,683
- Total Equipment Funded: 179

SSCC Success

27

\$6,915,513 (70.7%)

118

Round 1: IDEM DERA

- Total Projects Awarded: 5
- Total Amount Awarded: \$1,311,298
- Total Equipment Funded: 6

SSCC Success

4

\$1,017,112 (77.6%)

4

Contact South Shore Clean Cities!



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Indiana Volkswagen Mitigation Trust Program

Statewide Electric Vehicle Charging Network Request for Proposals

Shawn Seals

Senior Environmental Manager
IDEM – Office of Air Quality

July 9, 2020



Statewide Electric Vehicle Charging Network Request for Proposals Overview

- Grant Background and Overview
- Charging Equipment Types and Available Funding
- Eligible Applicants
- Eligible Charging Equipment Types and Funding Cost-Share Requirements
- Charging Equipment Current Locations
- Charging Equipment Indiana Roadway Priorities
- Charging Equipment Detailed Requirements
- Eligible Project Costs
- Ineligible Project Costs
- Estimated Program Timeline
- Funding Agreement Terms
- Project Reporting Requirements
- Project Application Highlights
- Application Scoring Criteria



Grant Background and Overview

In January 2017, the U.S. Justice Department finalized a consent decree with the Volkswagen Corporation on the use of emission testing defeat devices on 2.0 and 3.0 liter diesel engine equipped vehicles resulting in:

- \$2.9 billion paid into an Environmental Mitigation Trust Fund
 - These funds are to be used for diesel emission (primarily nitrogen oxides) reduction projects as well as electric vehicle (EV) charging equipment
 - Each state was allotted funds from this Trust in accordance with the relative number of 2.0 and 3.0 engines operating in their state
 - Indiana was allocated roughly \$41 million to use as described above
 - Indiana set aside the maximum amount allowed under the consent decree to be used for electric vehicle charging equipment (15% - \$6.15 million)
 - The total \$6.15 million is being made available through a single-round Request for Proposals (RFP)



Charging Equipment Types and Available Funding

Indiana is providing funding opportunities for two (2) types of EV charging equipment:

- Direct-Current Fast Charge (DCFC)
 - Typically charges 80 miles in around 30 minutes
 - Indiana has set aside 90% (\$5,535,000) of the total for DCFC charging equipment
- Level 2 (L2)
 - Typically charges 80 miles in around 210 minutes
 - Indiana has set aside 10% (\$615,000) of the total for L2 charging equipment



Eligible Applicants

Eligible applicants for this program include, but are not limited to:

- For-profit businesses registered with the Indiana Secretary of State
- Nonprofit entities registered with the Indiana Secretary of State
- Federal, state, and local government agencies
- Indiana-based metropolitan planning organizations

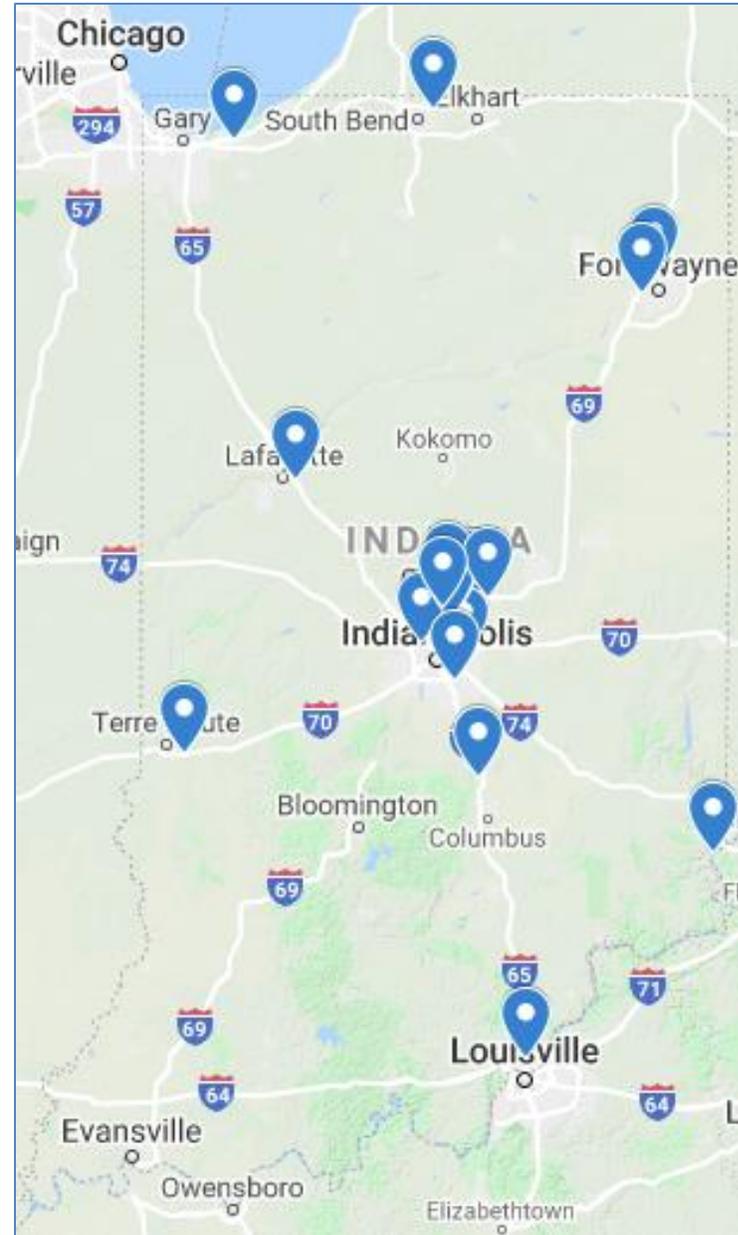


Eligible Charging Equipment Cost-Share Requirements

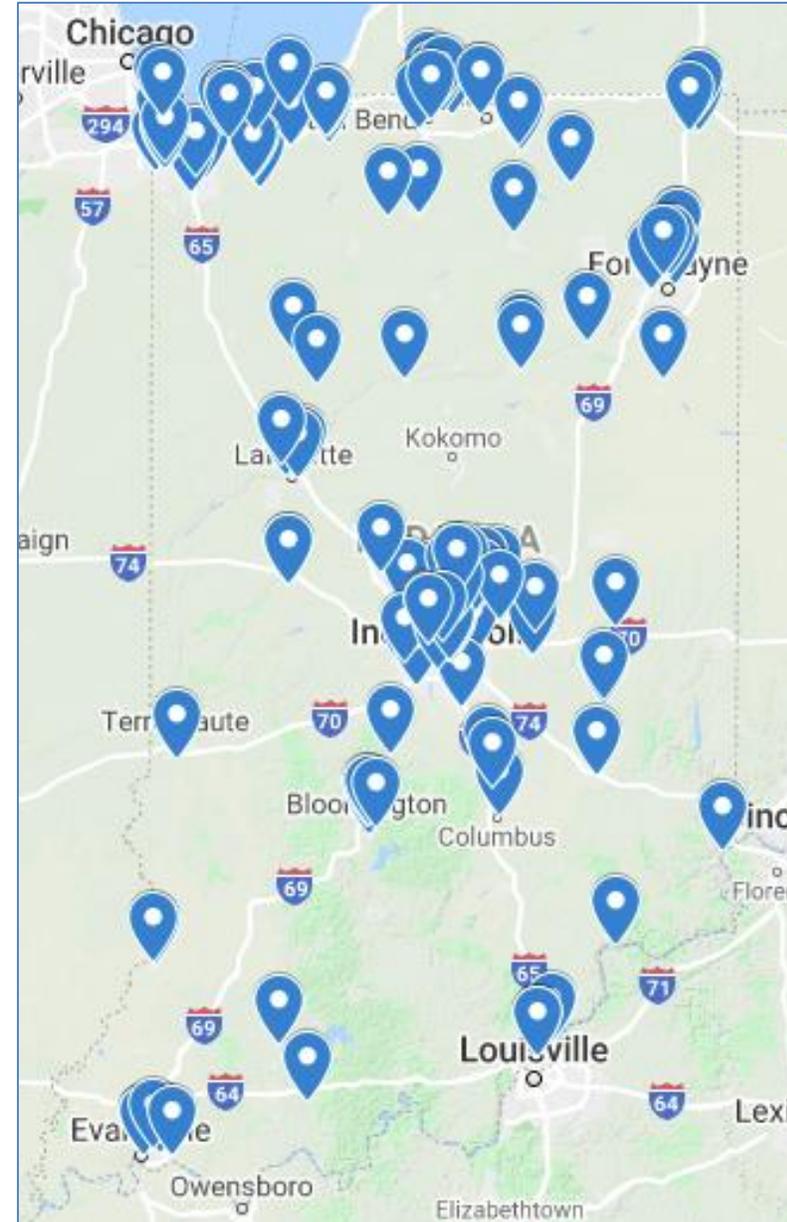
Indiana will cover costs associated with DCFC and L2 EV charging equipment as long as the sites are available to the public.

EV Charging Equipment Type		Government Agency Publicly Available	Nongovernment Agency Publicly Available
Direct-Current Fast Charge (DCFC)	Maximum Dollars per Location	\$180,000	\$160,000
	Maximum Percentage of Project	90%	80%
Level 2 (L2)	Maximum Dollars per Location	\$9,000	\$8,000
	Maximum Percentage of Project	90%	80%

Charging Equipment Current Locations (DCFC)



Charging Equipment Current Locations (L2)



Charging Equipment Detailed Requirements

Appendix A of the RFP provides great detail into the charging equipment requirements for the program. Some of the highlights are as follows:

- Located no more than one (1) road mile off roadway priorities (Exceptions may be considered on a case-by-case basis provided the need for these exceptions are clearly documented and supported)
- DCFC site rated at a minimum of 100kW (either single 100kW unit or two 50kW units as long as 100kW can be provided to one charging vehicle or 50kW can be provided to two vehicles charging at the same time)
- DCFC provide both CHAdeMO and CCS connectors at each site
- L2 provide at least two J1772 connectors at each site
- Equipment is networked by Wi-Fi or cellular connection and network hardware and software is maintained
- Equipment has at least a 5-year warranty with the option of additional ongoing maintenance and support with an uptime guarantee on the equipment of 95% or greater for the full lifetime of the charging station
- Should repair be necessary, chargers shall be fully operating within 72 hours of equipment issue/breakdown to ensure a 95% annual uptime guarantee

Eligible Project Costs

Eligible project costs under the program include:

- DC fast charging station, power conversion, hardware, and associated equipment (with required warranties)
- Level 2 charging station, hardware and associated equipment (with required warranties)
- Supporting costs such as final design, engineering and permitting
- Utility upgrades such as transformers and extensions
- Initial networking/subscription activation fees for a charging network (often included as a component of the required 5-year warranty as detailed in Appendix A)
- Payment module, as required by this program
- Cord or cable management strategy including retractable cords
- Battery storage
- Construction and/or installation costs directly related to the charging station such as dedicated parking spaces, electrical service and connection, on-site sign installation, installation of lighting, shelter/awning construction, etc.



Ineligible Project Costs

Ineligible project costs under the program include:

- Research projects and studies
- Feasibility studies such as surveys to determine interest in the installation of EV charging stations in particular locations
- Proposals for any type of vehicle demonstration or demonstrations of existing technologies for public outreach or education
- Land or parking space purchase/lease
- Level 1 infrastructure
- Internet and/or cellular connection (wireless or otherwise)



Ineligible Project Costs (cont.)

Ineligible project costs under the program include:

- Ongoing or annual networking/subscription fees for a charging network outside of those included in 5-year warranty as detailed in Appendix A
- Electricity consumption and demand charges
- General maintenance or repair of equipment or facilities
- Administrative costs
- Signs and installation of signs located off-site or along adjacent roadways directing drivers to the charger locations
- Other capital costs, such as the construction of buildings, parking facilities, etc. or general maintenance other than the supply equipment
- Construction or installation of site amenities not directly related to the charging station, such as restrooms



Estimated Program Timeline

Milestone	Estimated Date	Accumulated Time from Posting
RFP Posted to Website	June 23, 2020	
Proposal Receipt Deadline	September 23, 2020	13 Weeks
Proposal Review, Scoring, and Selection	October 21, 2020	17 Weeks
Selected Proposal Notification	October 28, 2020	18 Weeks
Grant Agreements Fully Executed	November 25, 2020	22 Weeks
Projects Complete and Fully Implemented	December 31, 2022	131 Weeks

Funding Agreement Terms

Some of the terms of the program and subsequent Grant Agreements are:

- All projects selected for funding shall be completed no later than December 31, 2022.
- If an application indicates a project cannot be completed within this timeframe, it will not be considered for funding.
- No costs to be reimbursed may be incurred before the execution of the project funding agreement.
- If the successful applicant fails to deliver an executed agreement within 30 days of receipt, IDEM, at its sole discretion, may cancel the award and award the funds to another applicant.
- Charging locations must be in operation for not less than five years. Upgrades are permitted, but the number of charging plugs and minimum charging capability shall not be reduced.
- Reimbursement request and all required documentation is due to IDEM within one month after the completion of the project. No reimbursement will be made for any costs incurred in the development of a project that is not successfully completed and placed in service.
- Grantees should expect to allow a minimum of 90 days for reimbursement processing.
- All information submitted to IDEM over the course of the project, including all records supporting all expenditures of funds, is subject to inspection by interested parties and disclosure to the public, subject to any applicable confidentiality exceptions provided in applicable state or federal laws.



Project Reporting Requirements

Grantees will be required to provide regular reports during project implementation and for 5 years after the project in-service date. Some of the requirements are as follows:

- Number of charging events
- Connect and disconnect times
- Start and end charge times
- Number of unique vehicles connected
- Total kWh dispensed per charging event
- Average kWh per charging event
- Peak power (kW) per event
- Peak power (kW) by time and date
- Peak power demand (kW) by month
- Average duration of charging events
- Percentage of station downtime



Project Application Highlights

- Indiana will only accept electronic grant applications in response to this RFP emailed to VWTrust@idem.IN.gov
- Microsoft Word or PDF format only
- Applications due September 23, 2020
- Application cannot exceed 15 pages in length and should include:
 - Key contact information
 - Complete budget with clear funding request
 - Project schedule and milestones
 - Narrative description of the project to include at least the following (RFP provides detailed requirements):
 - Project summary and how it benefits air quality in the area
 - Plan for measuring progress and how success will be evaluated
 - Clear description of physical locations of charging station sites
 - Demonstration that current and anticipated utilization supports long-term viability of the site

Application Scoring Criteria (Qualitative)

In addition to the following quantitative evaluation, additional qualitative considerations will be given to applications that include:

- Reasonable geographic distribution of projects across the state.
- Collaboration among a diverse set of stakeholders to advance a broader environmental vision or goal for the area.
- Evidence of regional support of a project.
- Evidence of a clear plan of action, milestones, and schedule for project completion.
- Evidence of commitment by the owner to maintain DCFC and/or L2 charging station equipment
- Evidence of project implementation feasibility without significant obstacles to ensure continued use of the charging station.



Application Scoring Criteria (Quantitative)

Criteria	Points
Cost-effectiveness of the project (a ratio of the total investment of VW program funds to annual average daily traffic at project location)	25
Long-term sustainability and maintenance of site (ability to continue efforts or expand the project after the mitigation project funding is utilized)	20
Compliments other programs for a statewide network or the application itself supports a statewide network (the ability of the proposal to meet the goal for a statewide network and to fill in infrastructure gaps)	20
Verified leveraging of additional resources (financial only)	15
Project readiness (is project “shovel-ready” and what is projected total project build timeline)	10
Quality of site marketing and amenities (amenities such as restrooms, food, and shopping; marketing; and marketing of site location to consumers)	10

For More Information

Indiana Volkswagen Mitigation Trust Program website:
www.idem.IN.gov/vwtrust

Submit grant applications to: VWTrust@idem.IN.gov

For program assistance:

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Thank you!

